AQA

Please write clearly in block capitals.

Centre number | | | | | | Candidate number | | | | |

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

AS PSYCHOLOGY

Paper 2 Psychology in context

Monday 22 May 2023 Afternoon Time allowed: 1 hour 30 minutes

Materials

For this paper you may use:
- a calculator.

Instructions
- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do **not** write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information
- The marks for questions are shown in brackets.
- The maximum mark for this paper is 72.
- You will be assessed on your ability to:
  – use good English
  – organise information clearly
  – use specialist vocabulary where appropriate.

For Examiner's Use	
Section	Mark
A	
B	
C	
TOTAL	

Do not write outside the box

Section A

Approaches in Psychology

Answer **all** questions in this section.

0 1 Describe **two or more** functions of the peripheral nervous system.

[4 marks]

Extra space

Do not write outside the box

Ellie and Lucy are identical twins who were raised together in the same household and went to the same school. They both recently completed an online intelligence test and were surprised to discover that Ellie achieved a higher score than Lucy.

0 2 Use your knowledge of genotype **and** phenotype to explain possible reasons why Ellie and Lucy had different scores.

[4 marks]

Extra space

Turn over for the next question

Do not write outside the box

0 3 Choose **two** glands in the endocrine system and explain the functions of **each** gland.

[4 marks]

Gland 1

Gland 2

Do not write outside the box

0 4 Describe and evaluate the cognitive approach in psychology.

[12 marks]

You may use this space to plan your answer.

Do not write outside the box

Do not write outside the box

Extra space

24

Do not write outside the box

Section B

Psychopathology

Answer **all** questions in this section.

Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD

WRONG METHODS

If you want to change your answer you must cross out your original answer as shown.

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.

0 5 Which of the following is **not** a cognitive characteristic of phobias?

Shade **one** box only.

[1 mark]

A Distorted perceptions

B Irrational beliefs

C Selective attention

D Severe anxiety

Do not write outside the box

0 6 A psychologist constructed a questionnaire which was designed to measure and define abnormality. **Figure 1** shows part of the questionnaire.

Figure 1

Which of these statements do you agree with?

A I find it hard to maintain eye contact with another person when in conversation.
B I often feel extremely distressed.
C I regularly skip meals and do not wash myself.

0 6 . 1 Referring to the statements in **Figure 1** above, briefly outline **two** definitions of abnormality.

[4 marks]

1 _____

2 _____

0 6 . 2 Briefly evaluate **one** definition of abnormality.

[3 marks]

Do not write outside the box

0 6 . 3 The psychologist completed her research and submitted it to be peer reviewed. Briefly explain **two** reasons why conducting a peer review might improve psychological research.

[4 marks]

1

2

0 7 Describe **one** biological explanation for obsessive compulsive disorder (OCD).

[4 marks]

Extra space

Do not write outside the box

0 8 Describe and evaluate cognitive behaviour therapy (CBT) as a treatment for depression.

[8 marks]

Do not write outside the box

Extra space

24

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Turn over for Section C

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ANSWER IN THE SPACES PROVIDED

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Section C

Research Methods

Answer **all** questions in this section.

A psychologist investigated whether productivity levels are affected by the amount of sleep a person gets. They asked 30 participants to sleep for 4 hours on the first night and then stay awake all of the next day (**Day 1**). The same participants were then asked to sleep for 8 hours on the second night and stay awake all of the next day (**Day 2**).

Each participant was then asked to rate their productivity at the end of **Day 2** as 'more than', or 'less than', or 'the same as' **Day 1**.

0 9 Outline what is meant by an aim. Write a suitable aim for this study.

[2 marks]

The results of the study are given in **Table 1** below:

Table 1 Number of participants giving each productivity rating at the end of Day 2

	More productivity	Less productivity	Same productivity
Number of participants	21	6	3

Do not write outside the box

1 0 The psychologist analysed the results of the study using the sign test.

Explain **two** reasons why it was appropriate to use the sign test in this situation. Refer to the description of the study in your answer.

[4 marks]

1 _____

_____

_____

_____

2 _____

_____

_____

_____

1 1 Use the data in **Table 1** to calculate the value of S using the sign test. Explain how you calculated this figure.

[3 marks]

_____

_____

_____

_____

_____

_____

Turn over for the next question

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As a result of the sign test calculation the psychologist concluded that participants assessed themselves as more productive after eight hours' sleep than after four hours' sleep. Other previous research has also shown that having more sleep has a positive effect on problem-solving skills.

In a follow-up study, the psychologist designed an experiment to investigate further the effect of sleep duration on problem solving. They randomly selected 20 students from a local university. There were two conditions:

Condition 1 – the students were invited to a university sleep laboratory and were allowed to sleep for six hours. Fifteen minutes after waking, each student was timed to see how long it took them to solve 10 simple mathematical problems, correctly.

Condition 2 – the same 20 students were invited back to the sleep laboratory a week later. This time they were allowed to sleep for two hours. Fifteen minutes after waking, each student was again timed to see how long it took them to solve a different set of 10 simple mathematical problems, correctly.

1 2 Briefly explain how the psychologist would carry out a pilot study in this case.

[2 marks]

1 3 Should the hypothesis for the follow-up study be directional or non-directional? Explain your answer.

[2 marks]

Do not write outside the box

1 4 Write a suitable experimental hypothesis for the follow-up study.

[3 marks]

1 5 Identify **one** extraneous variable that could have affected the results of the follow-up study.

Suggest why it would have been important to control this extraneous variable **and** how the psychologist could have controlled it.

[3 marks]

Turn over for the next question

Do not write outside the box

1 6 Explain how the psychologist could have used random sampling to select the students in the follow-up study.

[3 marks]

1 7 Briefly explain **one** problem with using random sampling in the follow-up study.

[2 marks]

24

END OF QUESTIONS

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